Part 3: Data Modeling

Imagine you are opening a pet adoption agency where you will rescue and care for animals and try to find them owners who are a good match for them.

Design a database with at least 4 tables for your pet adoption agency. Include at least relationships between tables where you feel they are needed.

For example, you'll need an animals table. Perhaps you have an animal species table as well. The relationship between animal species and animals is one-to-many. For every one species in the species table, you will at most have many animals of that species in the species table.

Submit a diagram of your database for this project.

Tables:

1. Store User: user_id, username, password, bio, phone, address
2. Animals: animal_id, user_id, type, age, location, health, description
3. Animals species: species_id, animal_id, species name, description
4. Contact: contact_id, user_id, animal_id, company_name, phone, address
5. Service: service_id, user_id, health_care, programs, donations
6. Customer: customer_id, user_id, first_name, last_name, phone, address
7. Middle tables: (down below)

1:1:

1: many:

- 1 User to many animals
- 1 species to many animals
- 1 user to many customers
- 1 contact to many animals

Many:many:

- Many users to many contacts
- Many users to many services
- Many customers to many services

Middle table for many to many:

1. Users Middle(sales) contacts (rescue companies)
   User_id sale_id contact_id
   User_id user_id
   Contact_id

2. Users service_rep services
   User_id service_rep_id service_id
   User_id user_id
   Service_id

3. Customers cust_service_rep services
   Customer_id cust_service_rep_id service_id
   User_id customer_id user_id
   service_id